

Chemistry I: Acids and Bases Web Quest



Introduction

You are a consumer information specialist. You need to inform or warn consumers about the dangers of household chemicals. These are compounds that can be found in any home for any variety of household uses.

The Task

Develop a 2-sided fact sheet on the hazards associated with a particular group of household products.

You will use the information you have learned about acids and bases to develop information that will be alert consumers in the home of how these compounds may harm them, their children or their pets. In order to do this you will need to:

- Define to the general public what makes products hazardous.
- Inform of what the products can do to harm things
- Indicate to the consumer what these compounds do in the home.
- Advise consumers of where these compounds are usually found in the home
- Advise consumers of how these should be safely stored in the home.
- Advise consumers of what products have these compounds as a component.

Beginning Activities

Begin by looking at this web site:

<http://householdproducts.nlm.nih.gov/index.htm>

This web site is from the National Institutes of Health, National Library of Medicine. Use the information here to select a product category to research.

The Process

1. Working in groups of 2-3 people, select a category of products you wish to work with.
2. Next research the provided web sites to obtain basic information that you need to present in your fact-sheet.
 - a. http://www.healthgoods.com/Education/Healthy_Home_Information/Home_Health_Hazards/household_hazardous_products.htm
 - b. <http://householdproducts.nlm.nih.gov/products.htm>
 - c. <http://www.brgov.com/recycle/househazards.htm#Common>
 - d. http://www.avma.org/communications/brochures/hazards/household_brochure.asp
 - e. http://www.natural-healthy-home-cleaning-tips.com/potential_household_product_hazards.htm
 - f. http://www.natural-healthy-home-cleaning-tips.com/potential_household_product_hazards.htm
 - g. http://www.seventhgen.com/household_hazards/glossary.php?tid=13
 - h. <http://www.metrokc.gov/health/hazard/hazchems.htm>
 - i. <http://danpatch.ecn.purdue.edu/~epados/waste/src/references.htm>
3. The sheet should be a 12 pt double spaced word document on 8.5" by 11.0" paper. You may select the color of paper you like.
4. Put the fact sheet together:
 - a. Title
 - b. Introduction to household hazards.
 - c. Identify the category of products and what makes them hazardous.
 - d. State what these products are used for and what makes them a hazard.
 - e. Where are they found in the home
 - f. How should they be stored in the home
 - g. (Optional) what are some alternative non-hazardous products
 - h. Site your sources.

5. This assignment will be due on May 17, 2013
6. Point value is 100 pts.

Learning Strategies

1. gather information about household hazards
2. select a group of products
3. identify compounds in the selected group
4. find information on the hazards of the compounds
5. gather information on how these compounds should be stored in the home

Household Hazards Project Rubric

Introduction	Value	Score
a) Title	5	
b) Introduction to household hazards	10	
Group of Compounds		
a) Identify the category of products	10	
b) what makes them hazardous	10	
c) State what these compounds are used for in the home	10	
Household Storage		
Where are they found in the home	10	
How they should be stored in the home	10	
Structure of Fact Sheet		
whole page (8.5x11) both sides	10	
Correct size font and double space	5	
Neat and easy to understand	10	
Site your sources	10	
Optional (alt. compounds) 5pts		
Total	100	